

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020220**Date Inspected:** 19-Feb-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Yu Jiao**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Dennis Combs, was present during the times noted above for the observations relative to the work being performed.

BAY 14

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Shielded Metal Arc Welding (SMAW), and Flux Cored Arc Welding (FCAW) processes.

ZPMC QC is identified as Zhan Hai Feng

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector

Component:

PCMK: AP3005, AP3006, AP3007

Weld Number:

Welder: 044824, 055491

WPS-345-FCAW-1G-ESAB-Repair

WR20061

Component: Floor Beam

PCMK: SEG3019BB

Weld Number: 037

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Welder: 215553, 216086
WPS-345-SMAW-2G-FCM-Repair
CWR2737

Component: Floor Beam
PCMK: SEG3019BB
Weld Number: 009, 010
Welder: 067571
WPS-B-T-2114

Component: I Rib
PCMK: SEG3019P
Weld Number: 163, 168
Welder: 066733
WPS-B-T-2233-ESAB

Component: Edge Plate
PCMK: SEG3019AG
Weld Number: 006
Welder: 066763
WPS-B-T-2233-ESAB

Component: Edge Plate
PCMK: SEG3019AG
Weld Number: 007
Welder: 037723
WPS-B-T-2233-ESAB

Component: Side Plate
PCMK: SEG3019A
Weld Number: 001
Welder: 066416
WPS-345-SMAW-1G-FCM-Repair-1

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

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Inspected By:	Combs,Dennis	Quality Assurance Inspector
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Reviewed By:	Riley,Ken	QA Reviewer
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